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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1.-67. (Canceled)

68. (Currently amended) A method of detecting normal, benign hyperplastic, or cancerous prostate cells in a human subject, comprising:

providing an antibody or antigen binding portion thereof which binds to an epitope of competes for binding to prostate specific membrane antigen (PSMA) which is also recognized by with a monoclonal antibody selected from the group consisting of an E99, a J415, a J533, and a J591 monoclonal antibody, wherein the antibody or antigen binding portion thereof is bound to a label effective to permit detection of normal, benign hyperplastic, or cancerous prostate cells;

administering the antibody or antigen binding portion thereof to the human subject; and detecting the presence of the normal, benign hyperplastic, or cancerous prostate cells by detecting the label.

- 69. (Currently amended) [[A]] The method according to claim 68, wherein detecting the label provides an indication of where the prostate cells are localized within the body of the human subject.
- 70. (Currently amended) [[A]] <u>The</u> method according to claim 69, wherein the label is detected using an imaging device.
- 71. (Currently amended) [[A]] <u>The</u> method according to claim 68, wherein the administering is carried out parenterally.

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72. (Currently amended) [[A]] <u>The</u> method according to claim 68, wherein the administering is carried out intravenously.

- 73. (Currently amended) [[A]] <u>The</u> method according to claim 68, wherein the administering is carried out by intracavitary instillation.
- 74. (Currently amended) [[A]] <u>The</u> method according to claim 68, wherein the administering is carried out rectally.
- 75. (Currently amended) [[A]] <u>The</u> method according to claim 68, wherein the label is detected using a transrectal probe.
- 76. (Currently amended) [[A]] <u>The</u> method according to claim 68, wherein the antibody or antigen binding portion thereof is administered following a prostatectomy.
- 77. (Currently amended) [[A]] <u>The</u> method according to claim 68, wherein the antibody or antigen binding portion thereof is in a composition further comprising a pharmaceutically acceptable carrier, excipient, or stabilizer.
 - 78. (Canceled).
- 79. (Currently amended) [[A]] <u>The</u> method according to claim 68, wherein the antibody is selected from the group consisting of a monoclonal antibody and a polyclonal antibody.
- 80. (Currently amended) [[A]] <u>The</u> method according to claim 79, wherein the antibody is <u>a monoclonal antibody</u> selected from the group consisting of an E99, a J415, a J533, and a J591 monoclonal antibody.

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81. (Currently amended) [[A]] <u>The</u> method according to claim 79, wherein the antibody is a monoclonal antibody produced by a hybridoma having an ATCC Accession Number selected from the group consisting of HB-12101, HB-12109, HB-12127, and HB-12126.

82.-106. (Canceled)

107. (Currently amended) [[A]] <u>The</u> A method according to claim 68, wherein the prostate cells are prostate epithelial cells.

108.-110. (Canceled)

111. (Currently amended) [[A]] <u>The</u> method according to claim 68, wherein the antibody or antigen binding portion thereof binds to live cells.

112.-115. (Canceled)

- 116. (Currently amended) [[A]] <u>The</u> method according to claim 68 or 111, wherein the antibody is a monoclonal antibody <u>or the antigen binding portion thereof is derived from a monoclonal antibody</u>.
- 117. (Currently amended) [[A]] <u>The</u> method according to claim 68 or 111, wherein the antibody or antigen binding portion thereof is internalized with the prostate specific membrane antigen.
- 118. (Currently amended) [[A]] <u>The</u> method according to claim 68 or 111, wherein the antibody or antigen binding portion thereof is selected from the group consisting of a Fab fragment, a F(ab')₂ fragment, and a Fv fragment.

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119. (Currently amended) [[A]] <u>The</u> method according to claim 68 or 111, wherein the label is selected from the group consisting of a fluorescent label, a biologically-active enzyme label, a radiolabel, a nuclear magnetic resonance active label, a luminescent label, and a chromophore label.

- 120. (Currently amended) [[A]] <u>The</u> method according to claim 119, wherein the label is a radiolabel.
- 121. (Currently amended) [[A]] <u>The</u> method according to claim 120, wherein the radiolabel is a short-range radiation emitter.
- 122. (Currently amended) [[A]] <u>The</u> method according to claim [[121]] <u>120</u>, wherein the radiolabel is selected from the group consisting of ²¹²Bi, ²¹³Bi, and ²¹¹At.
- 123. (Currently amended) [[A]] <u>The</u> method according to claim 120, wherein the radiolabel is selected from the group consisting of ³²P, ¹²⁵I, ³H, ¹⁴C, and ¹⁸⁸Rh.
- 124. (Currently amended) [[A]] <u>The</u> method according to claim 120, wherein the radiolabel is ¹³¹I.
- 125. (Currently amended) [[A]] <u>The</u> method according to claim 120, wherein the radiolabel is [[⁹⁹mTc]] ^{99m}Tc.
- 126. (Currently amended) [[A]] <u>The</u> method according to claim 120, wherein the radiolabel is ¹¹¹In.

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127. (Previously presented) The method according to claim 68, wherein the method is a method of detecting benign hyperplastic cells in the subject.

128. (Previously presented) The method according to claim 68, wherein the method is a method of detecting cancerous prostate cells in the subject.

129. (Canceled)

- 130. (Previously presented) The method according to claim 120, wherein the radiolabel is an α -emitter.
- 131. (Previously presented) The method according to claim 120, wherein the radiolabel is a β -emitter.
- 132. (Previously presented) The method according to claim 120, wherein the radiolabel is a γ -emitter.
- 133. (Currently amended) A method of detecting benign hyperplastic prostate_cells in a human subject, comprising:

providing an antibody or antigen binding portion thereof which binds to an epitope of competes for binding to prostate specific membrane antigen (PSMA) which is also recognized by with a monoclonal antibody selected from the group consisting of an E99, a J415, a J533, and a J591 monoclonal antibody, wherein the antibody or antigen binding portion thereof is bound to a label effective to permit detection of benign hyperplastic prostate cells;

administering the antibody or antigen binding portion thereof to the human subject; <u>and</u> detecting the presence of the benign hyperplastic prostate cells by detecting the label.

134. (Currently amended) [[A]] The method according to claim 133, wherein detecting

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the label provides an indication of where the prostate cells are localized within the body of the human subject.

- 135. (Currently amended) [[A]] The method according to claim 134, wherein the label is detected using an imaging device.
- 136. (Currently amended) [[A]] The method according to claim 133, wherein the antibody is a monoclonal antibody selected from the group consisting of an E99, a J415, a J533, and a J591 monoclonal antibody.

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- 137. (Currently amended) [[A]] The method according to claim 133, wherein the antibody or antigen binding portion thereof binds to live cells.
- 138. (Currently amended) [[A]] The method according to claim 133, wherein the antibody is a monoclonal antibody or the antigen binding portion thereof is derived from a monoclonal antibody.
- 139. (Currently amended) [[A]] The method according to claim 133, wherein the antibody or antigen binding portion thereof is internalized with the prostate specific membrane antigen.
- 140. (Currently amended) [[A]] The method according to claim 133, wherein the label is selected from the group consisting of a fluorescent label, a biologically-active enzyme label, a radiolabel, a nuclear magnetic resonance active label, a luminescent label, and a chromophore label.
- 141. (Currently amended) [[A]] The method according to claim 140, wherein the label is a radiolabel.

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142. (Currently amended) [[A]] <u>The</u> method according to claim 141, wherein the radiolabel is a short-range radiation emitter.

143. (Currently amended) A method of detecting cancerous prostate cells in a human subject, comprising:

providing an antibody or antigen binding portion thereof which binds to an epitope of competes for binding to prostate specific membrane antigen (PSMA) which is also recognized by with a monoclonal antibody selected from the group consisting of an E99, a J415, a J533, and a J591 monoclonal antibody, wherein the antibody or antigen binding portion thereof is bound to a label effective to permit detection of cancerous prostate cells;

administering the antibody or antigen binding portion thereof to the human subject; <u>and</u> detecting the presence of the cancerous prostate cells by detecting the label.

- 144. (Currently amended) [[A]] <u>The</u> method according to claim 143, wherein detecting the label provides an indication of where the prostate cells are localized within the body of the human subject.
- 145. (Currently amended) [[A]] <u>The</u> method according to claim 144, wherein the label is detected using an imaging device.
- 146. (Currently amended) [[A]] The method according to claim 143, wherein the antibody is a monoclonal antibody selected from the group consisting of an E99, a J415, a J533, and a J591 monoclonal antibody.
- 147. (Currently amended) [[A]] <u>The</u> method according to claim 143, wherein the antibody or antigen binding portion thereof binds to live cells.

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148. (Currently amended) [[A]] <u>The</u> method according to claim 143, wherein the antibody is a monoclonal antibody <u>or the antigen binding portion thereof</u> is derived from a monoclonal antibody.

- 149. (Currently amended) [[A]] <u>The</u> method according to claim 143, wherein the antibody or antigen binding portion thereof is internalized with the prostate specific membrane antigen.
- 150. (Currently amended) [[A]] The method according to claim 143, wherein the label is selected from the group consisting of a fluorescent label, a biologically-active enzyme label, a radiolabel, a nuclear magnetic resonance active label, a luminescent label, and a chromophore label.
- 151. (Currently amended) [[A]] <u>The</u> method according to claim 150, wherein the label is a radiolabel.
- 152. (Currently amended) [[A]] <u>The</u> method according to claim 151, wherein the radiolabel is a short-range radiation emitter.

153-162 (Canceled)